

**Amendments to the Claims.**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently amended) A ~~m~~Method of producing a radiolabelled gallium complex by reacting a  $\text{Ga}^{3+}$  radioisotope with a macrocyclic bifunctional chelating agent characterised in that the reaction is carried out using microwave activation at 80 to 120 W for 20 s to 2 min ~~and wherein the~~.
2. (Currently amended) The ~~m~~Method according to claim 1 wherein the  $\text{Ga}^{3+}$  radioisotope is selected from the group consisting of  $^{66}\text{Ga}^{3+}$ ,  $^{67}\text{Ga}^{3+}$  and  $^{68}\text{Ga}^{3+}$ .
3. (Currently amended) The ~~m~~Method according to claim 1 wherein the  $\text{Ga}^{3+}$  radioisotope is  $^{68}\text{Ga}^{3+}$ .
4. (Cancelled)
5. (Currently amended) The ~~m~~Method according to claim 1 wherein the chelating agent comprises hard donor atoms, preferably O and N atoms.
6. (Cancelled)
7. (Currently amended) The ~~m~~Method according to claim 1 wherein the ~~chelating agent is a~~ bifunctional chelating agent comprises ~~comprising~~ a targeting vector selected from the group consisting of proteins, glycoproteins, lipoproteins, polypeptides, glycopolypeptides, lipopolypeptides, peptides, glycopeptides, lipopeptides, carbohydrates, nucleic acids, oligonucleotides or a part, a fragment, a derivative or a complex of the aforesaid compounds and small organic molecules.

8. (Currently amended) The mMethod according to claim 7 wherein the target vector is a peptide or oligonucleotide.
9. (Currently amended) The mMethod according to claim 1 wherein the microwave activation is carried out at ~~80 to 120 W, preferably at 90 to 110 W.~~
10. (Currently amended) The mMethod according to claim 1 wherein the microwave activation is carried out for ~~20 s to 2 min, preferably for 30 s to 90 s.~~
11. (Currently amended) The mMethod according to claim 3 wherein the  $^{68}\text{Ga}^{3+}$  is obtained by contacting the eluate from a  $^{68}\text{Ge}/^{68}\text{Ga}$  generator with an anion exchanger and eluting  $^{68}\text{Ga}^{3+}$  from said anion exchanger.
12. (Currently amended) The mMethod according to claim 11 wherein the  $^{68}\text{Ge}/^{68}\text{Ga}$  generator comprises a column comprising titanium dioxide.
13. (Currently amended) The mMethod according to claim 11 wherein the anion exchanger comprises  $\text{HCO}_3^-$  as counterions.
14. (Currently amended) The mMethod according to claim 11 wherein the anion exchanger is an anion exchanger comprising quaternary amine functional groups, or the ion exchanger is a anion exchange resin based on polystyrene-divinylbenzene.
15. (Currently amended) The mMethod according to claim 16 for the production of  $^{68}\text{Ga}$ -radiolabelled PET tracers.
16. (Withdrawn) Method according to claim 11 wherein the eluting  $^{68}\text{Ga}^{3+}$  is in the picomolar to nanomolar range after the elution, and more preferably in a nanomolar to micromolar level.